RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/546,139A_

Source: _1Fwp_

Date Processed by STIC: _7/19/06_

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PATENT APPLICATION: US/10/546,139A   TIME: 08:44:17

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            Output Set: N:\CRF4\07192006\J546139A.raw

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  3 <110> APPLICANT: Chateau, Michel
  4        Gonzalez, Benjamin
  5        Meynial-Salles, Isabelle
  6        Soucaille, Philippe Noel Paul
  7        Zink, Olivier
  9 <120> TITLE OF INVENTION: Method for the Production of Evolved Microorganisms Which
Permit
 10        the Generation or Modification of Metabolic Pathways
 12 <130> FILE REFERENCE: 34076/US/2 (456180-00005)
 14 <140> CURRENT APPLICATION NUMBER: US 10/546,139A
C--> 15 <141> CURRENT FILING DATE: 2005-08-17
 17 <150> PRIOR APPLICATION NUMBER: PCT/FR2004/000354
 18 <151> PRIOR FILING DATE: 2004-02-17
 20 <150> PRIOR APPLICATION NUMBER: FR0301924
 21 <151> PRIOR FILING DATE: 2003-11-06
 23 <150> PRIOR APPLICATION NUMBER: FR00305768
 24 <151> PRIOR FILING DATE: 2003-05-14
 26 <150> PRIOR APPLICATION NUMBER: FR00305769
 27 <151> PRIOR FILING DATE: 2003-05-14
 29 <150> PRIOR APPLICATION NUMBER: FR00301924
 30 <151> PRIOR FILING DATE: 2003-02-18
 32 <160> NUMBER OF SEQ ID NOS: 42
 34 <170> SOFTWARE: PatentIn version 3.3
 36 <210> SEQ ID NO: 1
 37 <211> LENGTH: 100
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Artificial
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 42 <223> OTHER INFORMATION: Synthetic
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 53 <213> ORGANISM: Artificial
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 58 <400> SEQUENCE: 2
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 64 <210> SEQ ID NO: 3
 65 <211> LENGTH: 30
 66 <212> TYPE: DNA
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70 <223> OTHER INFORMATION: Synthetic
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90 <212> TYPE: DNA
91 <213> ORGANISM: Escherichia coli
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98 ccgcgcgcgc atgattactc gcgtcgcggc aacccaacgc gcgatgtggt tcagcgtgcg   180
100 ctggcagaac tggaaggtgg tgctggtgca gtacttacta ataccggcat gtccgcgatt   240
102 cacctggtaa cgaccgtctt tttgaaacct ggcgatctgc tggttgcgcc gcacgactgc   300
104 tacggcggta gctatcgcct gttcgacagt ctggcgaaac gcggttgcta tcgcgtgttg   360
106 tttgttgatc aaggcgatga acaggcatta cgggcagcgc tggcagaaaa acccaaactg   420
108 gtactggtag aaagcccaag taatccattg ttacgcgtcg tggatattgc gaaaatctgc   480
110 catctggcaa gggaagtcgg ggcggtgagc gtggtggata acaccttctt aagcccggca   540
112 ttacaaaatc cgctggcatt aggtgccgat ctggtgttgc attcatgcac gaaatatctg   600
114 aacggtcact cagacgtagt ggccggcgtg gtgattgcta aagacccgga cgttgtcact   660
116 gaactggcct ggtgggcaaa caatattggc gtgacgggcg cgcgtttga cagctatctg   720
118 ctgctacgtg ggttgcgaac gctggtgccg cgtatggagc tggcgcagcg caacgcgcag   780
120 gcgattgtga aatacctgca aacccagccg ttggtgaaaa aactgtatca cccgtcgttg   840
122 ccggaaaatc aggggcatga aattgccgcg cgccagcaaa aggctttgg cgcaatgttg   900
124 agttttgaac tggatggcga tgagcagacg ctgcgtcgtt tcctgggcgg gctgtcgttg   960
126 tttacgctgg cggaatcatt aggggagtg gaaagtttaa tctctcacgc cgcaaccatg   1020
128 acacatgcag gcatggcacc agaagcgcgt gctgccgccg ggatctccga gacgctgctg   1080
130 cgtatctcca ccggtattga agatggcgaa gatttaattg ccgacctgga aaatggcttc   1140
132 cgggctgcaa acaaggggta a   1161
135 <210> SEQ ID NO: 6
136 <211> LENGTH: 10
137 <212> TYPE: PRT
138 <213> ORGANISM: Escherichia coli
140 <400> SEQUENCE: 6
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147 <211> LENGTH: 1161
148 <212> TYPE: DNA
149 <213> ORGANISM: Escherichia coli

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156 ccgcgcgcgc atgattactc gcgtcgcggc aacccaacgc gcgatgtggt tcagcgtgcg     180
158 ctggcagaac tggaaggtgg tgctggtgca gtacttacta ataccggcat gtccgcgatt     240
160 cacctggtaa cgaccgtctt tttgaaacct ggcgatctgc tggttgcgcc gcacgactgc     300
162 tacggcggta gctatcgcct gttcgacagt ctggcgaaac gcggttgcta tcgcgtgttg     360
164 tttgttgatc aaggcgatga acaggcatta cgggcagcgc tggcagaaaa acccaaactg     420
166 gtactggtag aaagcccaag taatccattg ttacgcgtcg tggatattgc gaaaatctgc     480
168 catctggcaa gggaagtcgg ggcggtgagc gtggtggata acaccttctt aagcccggca     540
170 ttacaaaatc cgctggcatt aggtgccgat ctggtgttgc attcatgcac gaaatatctg     600
172 aacggtcact cagacgtagt ggccggcgtg gtgattgcta aagacccgga cgttgtcact     660
174 gaactggcct ggtgggcaaa caatattggc gtgacgggcg cgcgtttga cagctatctg     720
176 ctgctacgtg ggttgcgaac gctggtgccg cgtatggagc tggcgcagcg caacgcgcag     780
178 gcgattgtga aatacctgca aacccagccg ttggtgaaaa aactgtatca cccgtcgttg     840
180 ccggaaaatc aggggcatga aattgccgcg cgccagcaaa aaggctttgg cgcaatgttg     900
182 agttttgaac tggatggcga tgagcagacg ctgcgtcgtt tcctgggcgg gctgtcgttg     960
184 tttacgctgg cggcatcatt aggggggagtg gaaagtttaa tctctcacgc cgcaaccatg    1020
186 acacatgcag gcatggcacc agaagcgcgt gctgccgccg ggatctccga gacgctgctg    1080
188 cgtatctcca ccggtattga agatggcgaa gatttaattg ccgacctgga aaatggcttc    1140
190 cgggctgcaa acaagggta a                                                1161
193 <210> SEQ ID NO: 8
194 <211> LENGTH: 5
195 <212> TYPE: PRT
196 <213> ORGANISM: Escherichia coli
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201 1               5
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205 <211> LENGTH: 30
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Synthetic
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217 <211> LENGTH: 100
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219 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Synthetic
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225 tatgcagctg acgacctttc gcccctgcct gcgcaatcac actcattttt accccttgtt      60
227 tgcagcccgg aagccatttt caggcaccag agtaaacatt                            100
230 <210> SEQ ID NO: 11
231 <211> LENGTH: 30
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial
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236 <223> OTHER INFORMATION: Synthetic
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244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Synthetic
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255 <211> LENGTH: 72
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257 <213> ORGANISM: Artificial
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Synthetic
262 <400> SEQUENCE: 13
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265 tatcctcctt ag                                                       72
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269 <211> LENGTH: 100
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Synthetic
276 <400> SEQUENCE: 14
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283 <211> LENGTH: 100
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Synthetic
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297 <211> LENGTH: 100
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301 <220> FEATURE:
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304 <400> SEQUENCE: 16
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307 cgcatcggta acggacgcat tgtaggctgg agctgcttcg                        100
310 <210> SEQ ID NO: 17
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313 <213> ORGANISM: Artificial
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316 <223> OTHER INFORMATION: Synthetic
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325 <211> LENGTH: 100
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327 <213> ORGANISM: Artificial
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Synthetic
332 <400> SEQUENCE: 18
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339 <211> LENGTH: 30
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Synthetic
346 <400> SEQUENCE: 19
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351 <211> LENGTH: 30
352 <212> TYPE: DNA
353 <213> ORGANISM: Artificial
355 <220> FEATURE:
356 <223> OTHER INFORMATION: Synthetic
358 <400> SEQUENCE: 20
359 ggcgcgacgg cgatgtgggt cgattgctat                                     30
362 <210> SEQ ID NO: 21
363 <211> LENGTH: 30
364 <212> TYPE: DNA
365 <213> ORGANISM: Artificial
367 <220> FEATURE:
368 <223> OTHER INFORMATION: Synthetic
370 <400> SEQUENCE: 21
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375 <211> LENGTH: 30
376 <212> TYPE: DNA
377 <213> ORGANISM: Artificial
379 <220> FEATURE:
380 <223> OTHER INFORMATION: Synthetic
382 <400> SEQUENCE: 22
383 gcgcgcatcg ctggccgctg ggctacacac                                     30
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/19/2006
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Input Set : **A:\34076-US-2.ST25.txt**
Output Set: **N:\CRF4\07192006\J546139A.raw**

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30
Seq#:31,32,33,34,35,36,37,38,39,40,41,42

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/546,139A**

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TIME: 08:44:18

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date